Figure 1

12a

50a

52a

50

52
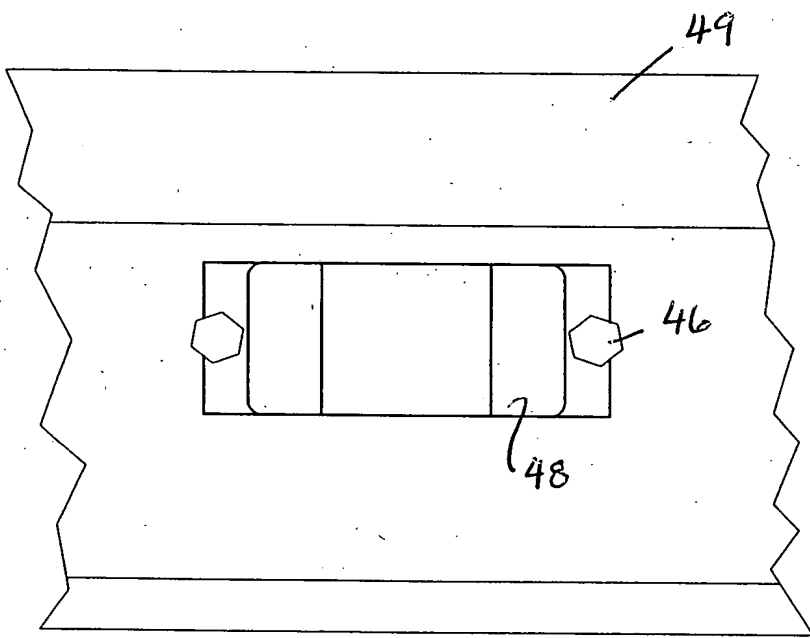
14a

16

18a

20

FIGURE 2

49

46

48

FIGURE 3a

49
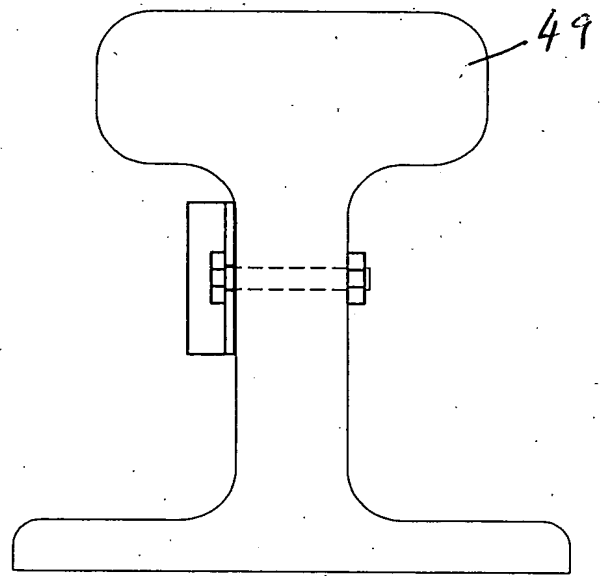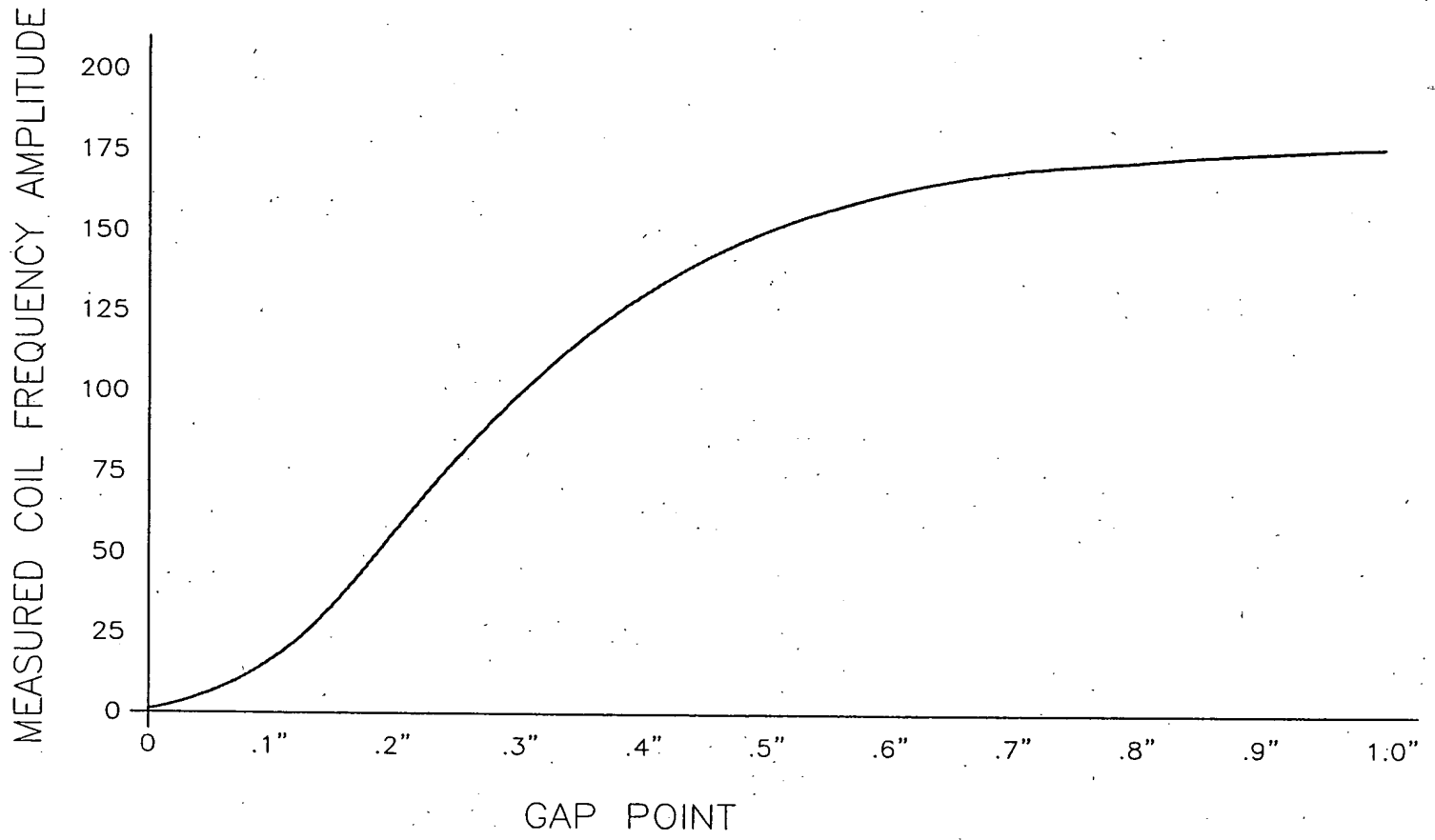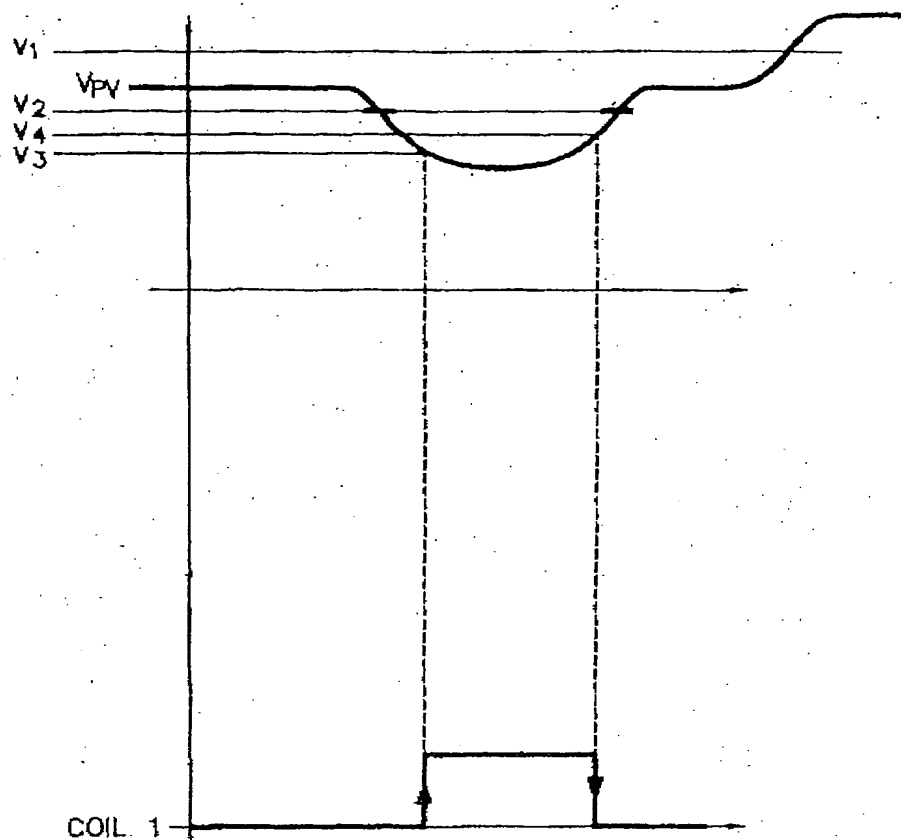
FIGURE 3b

FIGURE 4

Digital representation of the above
analog signols inverted

V_{PV} Power-up calibration point/compensation
V_2 Point where AUTO Compensation is halted
V_4 Point where the rail is out of the field
V_3 Point where the rail is detected
V_1 Point when the sensor has fallen off the rail
$V_4 - V_3$ = the hysteresis

Figure 5